

APPENDIX B

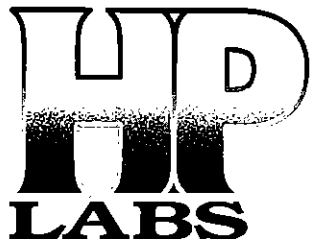
B-1 RESULTS OF SOIL VAPOR ANALYSES

B-2 CHAIN-OF-CUSTODY FORMS

**B-3 DAILY OPENING, CLOSING, AND CONTINUING
CALIBRATION VERIFICATION REPORTS**

APPENDIX B-1

RESULTS OF SOIL VAPOR ANALYSES



September 9, 2003

Mr. Jay Robinson
Geofon
22632 Golden Springs Drive
Suite 270
Diamond Bar, CA 91765

**SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE –
PASADENA, CA - GEOFON PROJECT #04-4428.10**

HP Labs Project # GF0081803-L6

Mr. Robinson:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #1561).

Project Summary

Soil vapor from 105 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

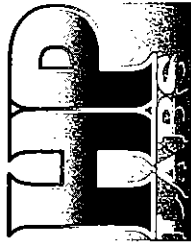
The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

HP Labs appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Rebecca Johnson for'.

Ms. Tamara Davis
Lab Director



GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UGIL-VAPOR

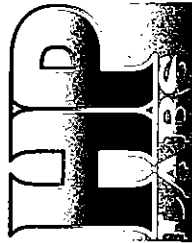
DATE	AMBIENT BLANK	SWW12- VPA-001	SWW12- VPC-002	SWW31- VPA-003	SWW31- VPB-004	SWW31- VPC-005	SWW31- VPE-007	SWW30- VPA-008	SWW30- VPB-009	SWW30- 010 Dup	SWW30- VPC-011	SWW30- VPD-012	SWW30- VPE-013
08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03
ANALYSIS TIME	8:13	8:53	9:19	9:43	10:07	10:31	10:55	11:19	12:07	12:32	13:37	14:04	14:29
SAMPLING DEPTH (feet)	--	20	60	20	35	45	55	65	30	30	40	50	65
VOLUME WITHDRAWN (cc)	--	140	300	140	200	240	280	320	180	240	220	260	320
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROFLUOROETHANE (FR13)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYL BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m,p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)													
DIBROMODIFLUOROMETHANE	102%	105%	106%	106%	105%	111%	111%	112%	112%	115%	116%	111%	111%
1,2-DICHLOROETHANE-d4	98%	104%	105%	108%	105%	108%	108%	107%	112%	111%	114%	106%	111%
4-BROMOFLUORO BENZENE	102%	100%	103%	99%	100%	99%	101%	99%	100%	100%	95%	97%	98%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L VAPOR FOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF061803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

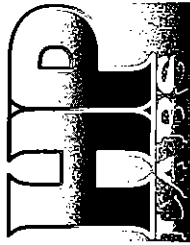
	AMBIENT BLANK	SWW5- VPB-014	SWW1- VPB-015	SWW1- VPC-016	SWW2- VPA-017	SWW3- VPC-018	SWW3- VPC-019	SWW7- VPA-020	SWW7- VPB-021	SWW4- VPB-022	SWW4-VPB- 023 Dup	SWW4- VPD-024
DATE	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03
ANALYSIS TIME	7:54	8:25	8:51	9:15	9:39	10:03	10:27	10:50	11:15	11:39	12:03	13:16
SAMPLING DEPTH (feet)	--	9	21	33	10	29	40	20	35	20	20	56
VOLUME WITHDRAWN (cc)	--	96	144	192	100	176	220	140	200	140	200	284
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	1.7	nd	nd	nd	2.9	2.9	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR13)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)												
DIBROMODIFLUOROMETHANE	110%	103%	111%	115%	114%	115%	115%	115%	121%	115%	119%	110%
1,2-DICHLOROETHANE-d4	110%	100%	107%	113%	113%	111%	111%	110%	118%	112%	114%	105%
4-BROMOFLUORO BENZENE	99%	105%	103%	103%	102%	95%	97%	94%	98%	95%	97%	101%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

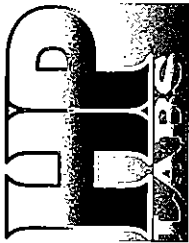
DATE	AMBIENT BLANK	SVW11- VPA-025	SVW32- VPB-026	SVW32- VPD-027	SVW32- VPE-028	SVW32-VPI 029	SVW32-VPJ 030	SVW14- VPA-031	SVW14- VPB-032	SVW17- VPC-033	SVW17- 034 Dup	SVW8-VPC- 035	SVW8-VPD- 036	SVW8-VPE- 037	SVW13- VPB-038
ANALYSIS TIME	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03
SAMPLING DEPTH (feet)	6:58	7:48	8:17	8:40	9:04	9:29	9:53	10:17	10:41	11:05	11:29	13:01	13:25	13:49	14:13
VOLUME WITHDRAWN (cc)	--	20	40	70	90	180	195	5	10	36	36	50	70	90	20
VOLUME INJECTED	--	140	220	340	420	780	840	80	100	204	264	260	340	420	140
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	3.3	2.3	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.2	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	11	8.7	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.1	6.4	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.4	1.0	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.5	2.1	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO TRIFLUOROETHANE (FR13)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	110	90	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.3	2.6	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.5	1.2	nd	nd	nd	nd
m,p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	12	9.2	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)															
DIBROMODIFLUOROMETHANE	110%	105%	110%	107%	111%	114%	116%	109%	108%	88%	92%	104%	107%	107%	108%
1,2-DICHLOROETHANE-d4	103%	104%	108%	105%	107%	112%	112%	109%	109%	85%	93%	102%	104%	105%	106%
4-BROMOFLUORO BENZENE	104%	97%	105%	98%	99%	97%	100%	110%	107%	116%	113%	103%	102%	104%	101%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOPHON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
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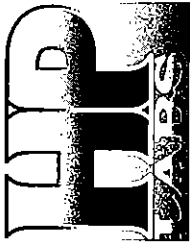
DATE	AMBIENT BLANK	SVW10- VPB-039	SVW10- VPD-040	SVW33- VPA-041	SVW33- VPB-042	SVW33- VPC-043	SVW33- VPD-044	SVW33- VPE-045	SVW33- VPF-046	SVW33- VPG- 048 Dup	SVW33- VPA-050	SVW9- VPB-051	SVW9- VPC-052	SVW9- VPD-053	SVW9- VPE-054
ANALYSIS TIME	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03
SAMPLING DEPTH (feet)	6.57	7.35	7.58	8.23	8.47	9.11	10.24	10.00	10.48	11.12	11.36	13.31	13.55	14.19	14.42
VOLUME WITHDRAWN (cc)	--	35	69	20	40	60	85	105	120	140	200	35	50	70	87
VOLUME INJECTED	20	200	336	140	220	300	400	480	540	620	860	200	260	340	408
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	7.0	nd	11	8.8	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.4	2.5	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.0	2.5	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.7	1.5	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROETHANE (FR113)	nd	4.1	4.8	nd	nd	nd	nd	1.5	nd	2.4	2.5	1.3	1.1	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)															
DIBROMODIFLUOROMETHANE	104%	106%	103%	109%	113%	116%	117%	115%	117%	115%	117%	118%	117%	118%	121%
1,2-DICHLOROETHANE-d4	104%	103%	98%	104%	113%	112%	113%	117%	110%	116%	112%	116%	115%	115%	113%
4 BROMOFUORO BENZENE	108%	99%	104%	104%	98%	104%	100%	100%	104%	97%	97%	94%	83%	97%	94%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-1.6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

DATE	AMBIENT BLANK	SVW35- VPE-055	SVW35- VPI-056	SVW28- VPA-057	SVW28- VPD-058	SVW28-VPD- 059 Dup	SVW28- VPE-060	SVW26- VPE-061	SVW26- VPG-062	SVW26- VPI-063	SVW25- VPA-064	SVW25- VPB-065	SVW25- VPI-066	SVW25- VPJ-067
ANALYSIS TIME	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03
SAMPLING DEPTH (feet)	7:00	7:25	7:50	8:14	8:39	9:02	9:26	9:50	10:13	10:37	11:01	12:32	12:56	13:21
VOLUME WITHDRAWN (cc)	--	80	140	20	80	80	105	115	140	160	20	40	180	190
VOLUME INJECTED	20	380	620	140	380	440	480	520	620	700	140	220	780	820
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	2.2	1.6	nd	nd	1.4	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	1.2	1.0	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.1	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR13)	nd	nd	2.1	nd	nd	nd	nd	1.1	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)														
DIBROMODIFLUOROMETHANE	110%	107%	112%	114%	117%	121%	118%	114%	120%	116%	117%	115%	115%	120%
1,2-DICHLOROETHANE-d4	105%	101%	113%	104%	111%	116%	114%	110%	112%	110%	112%	113%	106%	118%
4-BROMOFLUORO BENZENE	100%	103%	100%	99%	97%	96%	93%	96%	96%	96%	96%	99%	98%	97%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UGLI-VAPOR

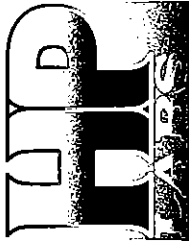
[illegible]

AND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

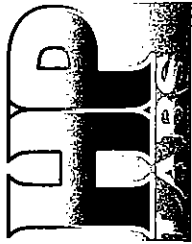
DATE	AMBIENT BLANK	SVW338- VPD-083	SVW338- VPF-084	SVW338- VPJ-085	SVW337- VPB-086	SVW337- VPE-087	SVW337- VPH-088	SVW337- VPH-089 Dup	SVW337- VPI-090	SVW337- VPJ-091
ANALYSIS TIME	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03
SAMPLING DEPTH (feet)	8:42	9:07	9:38	10:03	10:27	10:53	11:18	11:43	12:09	12:34
VOLUME WITHDRAWN (cc)	--	80	110	170	40	100	155	155	170	185
VOLUME INJECTED	20	380	500	740	220	460	680	740	740	800
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	1.1	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	1.8	nd	nd	1.8	1.6	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)	106%	108%	109%	114%	114%	120%	119%	121%	123%	124%
DIBROMODIFLUOROMETHANE	106%	119%	102%	108%	111%	115%	109%	113%	114%	117%
1,2-DICHLOROETHANE-d4	103%	95%	103%	95%	95%	94%	93%	92%	94%	97%
4-BROMOFLUORO BENZENE										

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

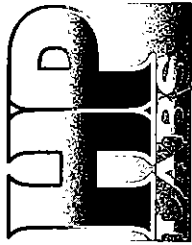
	AMBIENT BLANK	SVW34- VPE-092	SVW34- 093 Dup	SVW34- VPE-094	SVW39- VPA-095	SVW39- VPE-096	SVW39- VPE-097	SVW39- VPI-098
DATE	08/28/03	08/28/03	08/28/03	08/28/03	08/28/03	08/28/03	08/28/03	08/28/03
ANALYSIS TIME	7:51	8:18	8:42	9:07	9:31	9:56	10:21	10:46
SAMPLING DEPTH (feet)	--	80	80	95	20	95	100	130
VOLUME WITHDRAWN (cc)	--	380	440	440	140	400	460	580
VOLUME INJECTED	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	1.6	2.1	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	2.8	5.2	8.2
TRICHLOROFUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR13)	nd	nd	nd	nd	nd	26	25	1.7
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)								
DIBROMODIFLUOROMETHANE	107%	111%	105%	111%	110%	118%	116%	119%
1,2-DICHLOROETHANE-d4	104%	105%	102%	106%	106%	110%	112%	114%
4-BROMOFLUORO BENZENE	100%	99%	100%	97%	99%	99%	94%	96%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SWV15- VPB-099	SWV15- VPC-100	SWV15- VPD-101	SWV15- VPE-102	SWV6-VPB- 103	SWV6-VPB- 104 Dup	SWV6-VPD- 105
DATE	08/29/03	08/29/03	08/29/03	08/29/03	08/29/03	08/29/03	08/29/03	08/29/03
ANALYSIS TIME	7:40	8:05	8:29	8:53	9:17	9:41	10:05	10:29
SAMPLING DEPTH (feet)	--	40	60	75	90	40	40	77
VOLUME WITHDRAWN (cc)	--	220	300	360	420	220	280	368
VOLUME INJECTED	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROFLUOROETHANE (FR13)	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)								
DIBROMODIFLUOROMETHANE	113%	114%	110%	118%	119%	121%	118%	121%
1,2-DICHLOROETHANE-d4	110%	109%	102%	113%	107%	114%	115%	113%
4-BROMOFLUORO BENZENE	96%	101%	98%	101%	95%	92%	91%	96%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

APPENDIX B-2

CHAIN-OF-CUSTODY FORMS



INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
JAY ROBINSON		909-396-7662		909-396-1455		6F081803-L6		MARK BURKE		GEOFON INC	
PROJECT NAME:		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
JPL #2		ANNUAL SITE MONITORING		04-4428-10		858-793-0401		858-793-0404		JAY ROBINSON	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
JAY ROBINSON		714-920-8438		N/A		432 N CARLOS AVE		432 N CARLOS AVE		#270 22632 GOLDEN SPRINGS DR	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
4800 OAK GLEN DR		PASADENA CA 91108		USNAVY SWDIV		SOLANA BEACH CA 92075		SOLANA BEACH CA 92075		DIAMONDS BAR CA 91765	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX	
ASLAL FAHSEM		909-396-7662		909-396-1455		909-396-1455		909-396-1455		909-396-1455	

Item	Sample Identifier	Matrix			Date	Time	Preserved	# of Cont	OC Level	TAT	Comments
		Matrix	Date	Time							
1	SW12-VPA-001	A12	8/18/03	0835	None	1*	3	None			1* 60 cc SYRINGE
2	SW12-VPC-002			0857							
3	SW31-VPA-003			0920							
4	SW31-VPB-004			0942							
5	SW31-VPC-005			1005							
6	SW31-VPD-006			1027							
7	SW31-VPE-007			1050							
8	SW30-VPA-008			1112							
9	SW30-VPB-009			1134							
10	SW30-VPB-010			1156							
<div style="display: flex; justify-content: space-between;"> <div> <p>SAMPLES COLLECTED BY: <i>Tony Miller</i></p> <p>RELINQUISHED BY: <i>Tony Miller</i></p> </div> <div> <p>COURIER AND AIR BILL NUMBER:</p> </div> </div>											
<div style="display: flex; justify-content: space-between;"> <div> <p>COOLER TEMPERATURE UPON RECEIPT</p> </div> <div> <p>SAMPLE'S CONDITION UPON RECEIPT</p> </div> </div>											
<div style="display: flex; justify-content: space-between;"> <div> <p>DATE: 8-18-03</p> <p>TIME: 1330</p> </div> <div> <p>Good</p> </div> </div>											

CHAIN-OF-CUSTODY RECORD

GEOPON - LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
JAY ROBINSON		909-396-7662		909-396-1455		GF081803-16		MARK BULKE		GEOPON	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
JPL #2		ANNUAL SVR MONITORING		04-4428-10		858-793-0401		858-793-0404		JAY ROBINSON	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
JAY ROBINSON		714-920-8438		N/A		432 N. CALLOS AVE		432 N. CALLOS AVE		22632 COPLEY ST, #290	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
4900 OAK GLEN DR		PASADENA CA 91108		US NAVY SWD15		SOLANA BEACH CA 92075		SOLANA BEACH CA 92075		DIAMOND BAR CA 91765	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX	
ASRAC FACTORY		909-396-7662		909-396-1455		909-396-1455		909-396-1455		909-396-1455	
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Comp	QC Level	TAT	Comments		
1	SW30-VPC-011	AIR	8/18/03	1318	NONE	1*	3	NONE	X	1*60 cc SYRINGE	
2	SW30-VPC-012	1	1340	1	1	1	1	1	X		
3	SW30-VPC-013	1	1402	1	1	1	1	1	X		
4											
5											
6											
7											
8											
9											
10											

SAMPLES COLLECTED BY Tay M. R.

RELINQUISHED BY Tay M. R.

COURIER AND AIR BILL NUMBER: _____

RECEIVED BY Tay M. R.

DATE 3-18-93

TIME 1330

COOLER TEMPERATURE UPON RECEIPT _____

SAMPLE'S CONDITION UPON RECEIPT Good

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

1 OF 2



GEOFON

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22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91785 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
JAY ROBINSON		909-396-7662		909-396-1455		GF08180346		MARK BURKE		GEOFON INC	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
JPL #2		ANNUAL SVE MONITORING		04-4428-10		858-793-0401		859-793-0404		JAY ROBINSON	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
JAY ROBINSON		714-920-8438		N/A		432 N CEDROS AVE		432 N CEDROS AVE		22632 GOLDEN SPRINGS DR	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
4800 OAK GROVE DR		PASADENA CA 91108		US NAVY SWDIV		SOLANA BEACH CA 92075		SOLANA BEACH CA 92075		DIAMOND BAR CA 91765	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX	
ASRAR FAHEEM		909-396-7662		909-396-1455		909-396-1455		909-396-1455		909-396-1455	
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	TAT	Comments		
1	SRW5-VPB-014	AIR	8/19/02	0802	NONE	1*	3	WARM	X	1* 60cc SYRINGE	
2	SRW2-VPB-015			0822					X		
3	SRW1-VPB-016			0846					X		
4	SRW2-VPB-017			0908					X		
5	SRW3-VPB-018			0930					X		
6	SRW3-VPB-019			0952					X		
7	SRW7-VPB-020			1017					X		
8	SRW7-VPB-021			1040					X		
9	SRW4-VPB-022			1102					X		
10	SRW4-VPB-023			1124					X		
DUPLICATE		DUPLICATE									
COOLER TEMPERATURE UPON RECEIPT											
SAMPLE'S CONDITION UPON RECEIPT											
SAMPLES COLLECTED BY: <i>Tajay</i>				COURIER AND AIR BILL NUMBER:				RECEIVED BY: <i>Tajay</i>			
RELINQUISHED BY: <i>Tajay</i>				DATE: 8-19-03				TIME: 6:00 PM			

2 OF 2



GEOFON
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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON LAB COORDINATOR JAY ROBINSON		LAB COORDINATOR'S PHONE 909-396-7662		LAB COORDINATOR'S FAX 909-396-1455		LABORATORY SERVICE ID GF081803-16		LABORATORY CONTACT MARK BULKE		MAIL REPORT (COMPANY NAME) GEOFON TNC	
PROJECT NAME SPL #2		PROJECT LOCATION ANNUAL SVS MONITORING		PROJECT NUMBER 04-4428-10		LABORATORY PHONE 858-793-0401		LABORATORY FAX 858-793-0404		RECIPIENT NAME JAY ROBINSON	
PROJECT CONTACT JAY ROBINSON		PROJECT PHONE NUMBER 714-970-8438		PROJECT FAX N/A		LABORATORY ADDRESS 432 N. CEDROS AVE		LABORATORY ADDRESS 432 N. CEDROS AVE		ADDRESS 22632 GOLDEN SPRINGS DR	
PROJECT ADDRESS 4800 OAK GROVE DR		CITY, STATE AND ZIP CODE PASADENA CA 91108		CLIENT USNAVY SWDIV		CITY, STATE AND ZIP CODE SOLANA BEACH CA 92025		CITY, STATE AND ZIP CODE SOLANA BEACH CA 92025		CITY, STATE AND ZIP CODE DIAMOND BAR CA 91765	
PROJECT MANAGER MSLAC PATRICK		PROJECT MANAGER'S PHONE 909-396-7662		PROJECT MANAGER'S FAX 909-396-1455							

Item	Sample Identifier	Matrix			Time	Preserved	# of Cont	OC Level	TAT	Comments
		Date	Time	OC Level						
1	SRW4-VPD-024	AIR	8/19/03	1255	None	1*	3	Normal		1* 60 cc SPRING
2										
3										
4										
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY <i>[Signature]</i>		COURIER AND AIR BILL NUMBER.		COOLER TEMPERATURE UPON RECEIPT	
RELINQUISHED BY <i>[Signature]</i>		RECEIVED BY <i>[Signature]</i>		SAMPLE'S CONDITION UPON RECEIPT	
		DATE 8-19-03		TIME 1315	
				Grade Good	



UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

22632 GOLDEN SPRINGS DR., SUITE 270

22332 GOLDEN GATE, SUITE 270
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[illegible]



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LABORATORY COPY

GEORGE'S LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
JAY ROBINSON		909-396-7662		909-396-1455		GF081803-16		MARK BURKE		GEOFFON INC	
PROJECT NAME: JPL #2		PROJECT LOCATION: ANNALS MONITORING		PROJECT NUMBER: 04-4428-10		LABORATORY PHONE: 858-793-0401		LABORATORY FAX: 858-793-0404		RECIPIENT NAME: JAY ROBINSON	
PROJECT CONTACT: JAY ROBINSON		PROJECT PHONE NUMBER: 714-920-8438		PROJECT FAX: N/A		LABORATORY ADDRESS: 432 N. CADROS AVE		LABORATORY ADDRESS: 432 N. CADROS AVE		ADDRESS: 22632 GOLDEN SPRINGS DR	
PROJECT ADDRESS: 4800 OAKGARDEN		CITY, STATE AND ZIP CODE: PASADENA CA 91108		CLIENT: US NAVY SWDVR		CITY, STATE AND ZIP CODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIP CODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIP CODE: DUMMONTS BAR CA 91765	
PROJECT MANAGER: ASHAR FAHEEM		PHONE: 909-396-2662		PROJECT MANAGER'S FAX: 909-396-1455		PROJECT MANAGER'S FAX: 909-396-1455		PROJECT MANAGER'S FAX: 909-396-1455		PROJECT MANAGER'S FAX: 909-396-1455	
Item	Sample Identifier	Matrix		Date	Time	Preserved	# of Cont	QC Level	TAT	Comments	
1	SWJ8-VPC-035	AIR	8/20/12	1240	NONE	1*	3	NONE	X	1* 60 cc SPRINGS	
2	SWJ8-VPD-036			1302					X		
3	SWJ8-VPE-037			1324					X		
4	SWJ3-VPB-038			1346					X		
5											
6											
7											
8											
9											
10											
SAMPLES COLLECTED BY: [Signature]		COURIER AND AIR BILL NUMBER:		DATE: 8-29-03		TIME: 6:00		COOLER TEMPERATURE UPON RECEIPT:		SAMPLE'S CONDITION UPON RECEIPT:	
RELINQUISHED BY: [Signature]		RECEIVED BY: [Signature]									

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



GEOFON

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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON: LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
J. ROBINSON		909-396-7662		909-396-1455		G081803-L6		MARK BURKE		GEOFON INC	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
JPL #2		ANNUAL SVB MONITORING		04-4428-10		858-793-0401		858-793-0404		J. ROBINSON	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
J. ROBINSON		714-920-8438		N/A		432 N. CEDROS AVE		432 N. CEDROS AVE		22632 GOLDEN SPRINGS DR #270	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
4900 OAK GLEN DR		PASADENA CA 91108		US NAVY SWDIV		SOLANA BEACH CA 92075		SOLANA BEACH CA 92075		DIAMOND BAR CA 91765	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		Analyses <th colspan="2"></th> <th colspan="2"></th>					
ASKAR FAHEET		909-396-7662		909-396-1455		8/21/03					
Sample Identifier		Matrix		Date		Time		Preserved		# of Cont.	
1 SWW10-VPB-039		AIR		8/21/03		0715		NONE		1* 3	
2 SWW10-VPD-040						0737					
3 SWW33-VPA-041						0800					
4 SWW33-VPB-042						0822					
5 SWW33-VPC-043						0844					
6 SWW33-VPD-044						0906					
7 SWW33-VPB-045						0928					
8 SWW33-VPF-046						0950					
9 SWW33-VPG-047						1012					
10 SWW33-VPG-048						1034					
DUPLICATE											
SAMPLES COLLECTED BY		COURIER AND AIR BILL NUMBER		DATE		TIME		COOLER TEMPERATURE UPON RECEIPT		SAMPLE'S CONDITION UPON RECEIPT	
RECEIVED BY				8-21-03		1430		6.0 L			



22001 GREENGLASS BLVD., SUITE 210
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LABORATORY COPY

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GEOTON - LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
J. ROBINSON		909-396-7662		909-396-1453		909-396-1453		909-396-1453		909-396-1453	
J. ROBINSON		714-920-8438		N/A		N/A		N/A		N/A	
J. ROBINSON		4800 OAK GROVE DR		PASADENA CA 91109		US NAVY SMDIR		SOLANA BEACH CA 92075		DIAMONDS BARCA 91765	
J. ROBINSON		909-396-7662		909-396-1453		909-396-1453		909-396-1453		909-396-1453	
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses	Comments	
1	SW235-VPE-055	AIR	8/22/03	0705	NONE	1*	3	NONE	X	1* 60 cc STRIKE	
2	SW235-VPI-056			0727					X		
3	SW228-VPA-057			0752					X		
4	SW228-VPD-058			0814					X		
5	SW228-VPD-059			0836					X	DUPPLICATE	
6	SW228-VPE-060			0858					X		
7	SW226-VPF-061			0920					X		
8	SW226-VPG-062			0942					X		
9	SW226-VPH-063			1004					X		
10	SW225-VPA-064			1026					X		
SAMPLES COLLECTED BY: <i>[Signature]</i>		COURIER AND AIR BILL NUMBER:		DATE		TIME		COOLER TEMPERATURE UPON RECEIPT		SAMPLE'S CONDITION UPON RECEIPT	
RELINQUISHED BY: <i>[Signature]</i>		RECEIVED BY: <i>[Signature]</i>		8-22-03		1315		Good			

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



LABORATORY COPY

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GEOPON'S LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME J. ROBINSON		709-396-7662		909-396-1455		GFO81803-46		MARK BUCKS		GEOFFEN INC	
PROJECT #2		ANNUAL SITE MONITORING		04-4428-10		858-793-0401		858-793-0404		J. ROBINSON	
PROJECT ADDRESS		714-920-8438		N/A		LABORATORY ADDRESS		432 N. CEDROS AVE		ADDRESS	
PROJECT LOCATION		PASADENA CA 91108		US NAVY SW DIV		CITY, STATE AND ZIP CODE		# SOLANA BOULEVARD CHA 92075		CITY, STATE AND ZIP CODE	
PROJECT MANAGER		ASCARL FATHOM		909-396-7662		909-396-1455					
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	OC Level	TAT	Comments		
1	SW25-VPB-065	AIR	8/22/03	1215	NONE	1*	3	NONE	X		1* Good SYRINGS
2	SW25-VPI-066			1237					X		
3	SW25-VPS-067			1259					X		
4											
5											
6											
7											
8											
9											
10											

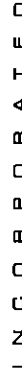
SAMPLES COLLECTED BY: [Signature] COURIER AND AIR BILL NUMBER:

RELINQUISHED BY: [Signature] RECEIVED BY: [Signature]

DATE: 8-22-03 TIME: 1315 GOOD

COOLER TEMPERATURE UPON RECEIPT: _____
SAMPLE'S CONDITION UPON RECEIPT: _____

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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LABORATORY COPY

GEOCON - LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX	
J. ROBINSON		909-396-7662		909-396-1455		GFO1803-16		MARK BURKE		GOTTON INC	
SPL #2		ANNUAL SVE MONITORING		04-4428-10		858-793-0401		888-793-0404		J. ROBINSON	
J. ROBINSON		714-920-8438		N/A				432 N. CEDROS AVE		22632 GOLDEN SPRINGS DR	
4800 OAK GLEN DR		PASADENA CA 91108		US NAVY SWDSIV				SOLANA BEACH CA 92075		DIAMONDS BAR CA 91765	
ALAN FINEBERG		909-396-7662		909-396-1455							
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	TAT	Comments		
1	SNW27-VPE-078	APL	9/25/03	1306	1*	3	1	1	1*	60cc SYRINGS	
2	SNW27-VPE-079			1328							
3	SNW27-VPG-080			1350							
4	SNW27-VPG-081			1412							
5	SNW27-VPE-082			1434							
6											
7											
8											
9											
10											
SAMPLES COLLECTED BY		COURIER AND AIR BILL NUMBER		RECEIVED BY		DATE		TIME		COOLER TEMPERATURE UPON RECEIPT	
Tay		11/1/03		M. P. Hall		8-25-03		1445		6000	
RELINQUISHED BY										SAMPLE'S CONDITION UPON RECEIPT	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON'S LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECEIPT NAME	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
J. ROBINSON		909-396-7662		909-396-1455		G081803-L6		MARK BURKE		G081803-L6	
JPL #2		ANNUAL SVGT MONITORING		04-4428-10		858-793-0401		858-793-0404		J. ROBINSON	
J. ROBINSON		714-920-8438		N/A		432 N. CEDROS AVE		432 N. CEDROS AVE		22632 GOLDEN SPRINGS DR	
4800 OAK GROVE DR PASADENA CA 91108		PASADENA CA 91108		US NAVY SWDIV		SOLANA BEACH CA 92075		SOLANA BEACH CA 92075		DIAMONDS BAR CA 91765	
AS CARL FATHEN		909-396-7662		909-396-1455							
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	TAT	Comments		
1	SWW38-VPD-083	AIR	8/27/03	0845	None	1*	3	None	X	1* 60cc SYRINGE	
2	SWW38-VPF-084			0907					X		
3	SWW38-VPJ-085			0929					X		
4	SWW37-VPB-086			0955					X		
5	SWW37-YPE-087			1017					X		
6	SWW37-YPH-088			1040					X		
7	SWW37-YPH-089 DUPLICATE			1102					X		
8	SWW37-VPI-090			1124					X		
9	SWW37-VPJ-091			1146					X		
10											
SAMPLES COLLECTED BY: <i>[Signature]</i>										COOLER TEMPERATURE UPON RECEIPT	
RELINQUISHED BY: <i>[Signature]</i>										SAMPLE'S CONDITION UPON RECEIPT	
DATE: 8/26/03										TIME: 12:00	
Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager											



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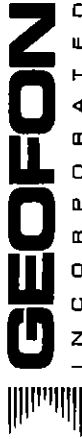
22632 GOLDEN SPRINGS DR., SUITE 270
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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON'S LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		LABORATORY ADDRESS		CITY, STATE AND ZIP CODE	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		LABORATORY ADDRESS		CITY, STATE AND ZIP CODE	
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	TAT	Analyses	Comments	
1	SW15-VPB-099	AIR	8/29/03	0745	NONE	1*	3	NONE	X	1* BOCC STRINGS	
2	SW15-VPB-100			0807					X		
3	SW15-VPD-101			0829					X		
4	SW15-VPB-102			0851					X		
5	SW15-VPB-103			0913					X		
6	SW16-VPB-104 DUPLICATE			0935					X	DUPLICATE	
7	SW16-VPD-105			0957					X		
8											
9											
10											
SAMPLES COLLECTED BY: <i>Tony Robinson</i>										COOLER TEMPERATURE UPON RECEIPT	
RELINQUISHED BY: <i>Tony Robinson</i>										SAMPLE'S CONDITION UPON RECEIPT	
DATE: 8-29-03										TIME: 10:15	
G001											

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager



INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

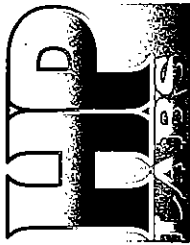
CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON, LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
J. ROBINSON		909-396-7662		909-396-1455		GEO81803-46		MARK BURKE		GEOFON INC	
JPL #2		ANNUAL SITE MONITORING		04-4428-10		858-793-0401		858-793-0404		J. ROBINSON	
J. ROBINSON		714-920-8438		N/A				432 N. CEDROS AVE		22632 GOLDEN SPRINGS DR	
4800 OAK GROVE DR		DIAMOND BAR CA 91765		US NAVY SWDIV				SOLANA BEACH CA 92075		DIAMOND BAR CA 91765	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX							
ASCAR FAHREEM		909-396-7662		909-396-1455							
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	OC Level	TAT	Comments		
1	SW34-VPE-092	AIR	8/28/03	0755	NONE	1*	3	NONE	X		1* 60cc STRINGS
2	SW34-VPE-093			0820					X		DUPPLICATE
3	SW34-VPE-094			0842					X		
4	SW39-VPA-095			0904					X		
5	SW39-VPE-096			0926					X		
6	SW39-VPE-097			0948					X		
7	SW39-VPE-098			1010					X		
8											
9											
10											
SAMPLES COLLECTED BY <i>Tony Miller</i>										COOLER TEMPERATURE UPON RECEIPT	
RELINQUISHED BY <i>Tony Miller</i>										SAMPLE'S CONDITION UPON RECEIPT	
Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager											

APPENDIX B-3

DAILY OPENING, CLOSING, AND CONTINUING CALIBRATION VERIFICATION REPORTS



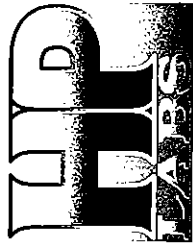
QA/QC CALIBRATION DATA

DATE: 08/18/03	SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773				
HP Labs Project #GF081803-L6	SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774				
LAB-6	INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER				
COMPOUND	OPENING STANDARD		%DIFF	2ND SOURCE (1ug/L) CLOSING	
	MASS	RESULT		MASS	%DIFF
CARBON TETRACHLORIDE	50	49.7	0.6%	1.0	1.23
CHLOROFORM	50	49.6	0.8%	1.0	1.29
1,1-DICHLORO ETHANE	50	51.8	3.6%	1.0	1.32
1,2-DICHLORO ETHANE	50	52.7	5.4%	1.0	1.30
1,1-DICHLORO ETHENE	50	48.2	3.6%	1.0	1.14
CIS-1,2-DICHLORO ETHENE	50	49.0	2.0%	1.0	1.12
TRANS-1,2-DICHLORO ETHENE	50	48.8	2.4%	1.0	1.14
DICHLOROMETHANE	50	48.6	2.8%	1.0	1.24
TETRACHLORO ETHENE	50	49.2	1.6%	1.0	1.17
1,1,1,2-TETRACHLORO ETHANE	50	51.6	3.2%	1.0	1.32
1,1,2,2-TETRACHLORO ETHANE	50	51.3	2.6%	1.0	1.24
1,1,1-TRICHLORO ETHANE	50	49.4	1.2%	1.0	1.21
1,1,2-TRICHLORO ETHANE	50	49.7	0.6%	1.0	1.17
TRICHLORO ETHENE	50	47.3	5.4%	1.0	1.00
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	52.7	5.4%	1.0	1.28
BENZENE	50	51.4	2.8%	1.0	1.28
CHLOROBENZENE	50	50.9	1.8%	1.0	1.16
ETHYLBENZENE	50	54.9	9.8%	1.0	1.12
TOLUENE	50	50.8	1.6%	1.0	1.25
m&p-XYLENES	100	114	14.3%	2.0	2.41
o-XYLENE	50	54.7	9.4%	1.0	1.01

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



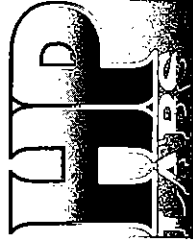
QA/QC CALIBRATION DATA

DATE: 08/19/03		SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773					
HP Labs Project #GF081803-L6		SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774					
LAB-6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER					
COMPOUND	OPENING STANDARD		%DIFF	2ND SOURCE (1ug/L) CLOSING		%DIFF	
	MASS	RESULT		MASS	RESULT		
CARBON TETRACHLORIDE	50	52.1	4.2%	1.0	1.10	10.0%	
CHLOROFORM	50	51.3	2.6%	1.0	1.09	9.0%	
1,1-DICHLORO ETHANE	50	52.9	5.8%	1.0	1.13	13.0%	
1,2-DICHLORO ETHANE	50	53.8	7.6%	1.0	1.06	6.0%	
1,1-DICHLORO ETHENE	50	49.7	0.6%	1.0	0.99	1.0%	
CIS-1,2-DICHLORO ETHENE	50	49.4	1.2%	1.0	1.00	0.0%	
TRANS-1,2-DICHLORO ETHENE	50	52.1	4.2%	1.0	1.02	2.0%	
DICHLOROMETHANE	50	50.0	0.0%	1.0	1.07	7.0%	
TETRACHLORO ETHENE	50	53.1	6.2%	1.0	1.03	3.0%	
1,1,1,2-TETRACHLORO ETHANE	50	55.5	11.0%	1.0	1.16	16.0%	
1,1,2,2-TETRACHLORO ETHANE	50	52.3	4.6%	1.0	1.03	3.0%	
1,1,1-TRICHLORO ETHANE	50	50.9	1.8%	1.0	1.04	4.0%	
1,1,2-TRICHLORO ETHANE	50	49.7	0.6%	1.0	1.00	0.0%	
TRICHLORO ETHENE	50	48.9	2.2%	1.0	0.88	12.0%	
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	56.3	12.6%	1.0	1.07	7.0%	
BENZENE	50	53.8	7.6%	1.0	1.20	20.0%	
CHLOROBENZENE	50	52.1	4.2%	1.0	1.05	5.0%	
ETHYLBENZENE	50	54.1	8.2%	1.0	1.00	0.0%	
TOLUENE	50	50.3	0.6%	1.0	1.11	11.0%	
m&p-XYLENES	100	110	9.5%	2.0	2.15	7.5%	
o-XYLENE	50	53.5	7.0%	1.0	0.89	11.0%	

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

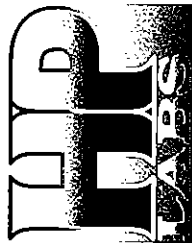
DATA REVIEWED BY: TAMARA DAVIS



QA/QC CALIBRATION DATA

DATE: 08/20/03	SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773					
HP Labs Project #GF081803-L6	SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774					
LAB-6	INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER					
COMPOUND	OPENING STANDARD		%DIFF	2ND SOURCE (1ug/L) CLOSING		%DIFF
	MASS	RESULT		MASS	RESULT	
CARBON TETRACHLORIDE	50	51.9	3.8%	1.0	1.17	17.0%
CHLOROFORM	50	51.3	2.6%	1.0	1.15	15.0%
1,1-DICHLORO ETHANE	50	53.2	6.4%	1.0	1.20	20.0%
1,2-DICHLORO ETHANE	50	52.1	4.2%	1.0	1.14	14.0%
1,1-DICHLORO ETHENE	50	50.6	1.2%	1.0	1.02	2.0%
CIS-1,2-DICHLORO ETHENE	50	48.0	4.0%	1.0	1.08	8.0%
TRANS-1,2-DICHLORO ETHENE	50	52.3	4.6%	1.0	1.07	7.0%
DICHLOROMETHANE	50	50.0	0.0%	1.0	1.20	20.0%
TETRACHLORO ETHENE	50	52.0	4.0%	1.0	1.16	16.0%
1,1,1,2-TETRACHLORO ETHANE	50	55.2	10.4%	1.0	1.23	23.0%
1,1,2,2-TETRACHLORO ETHANE	50	50.6	1.2%	1.0	1.08	8.0%
1,1,1-TRICHLORO ETHANE	50	50.3	0.6%	1.0	1.13	13.0%
1,1,2-TRICHLORO ETHANE	50	49.6	0.8%	1.0	1.00	0.0%
TRICHLORO ETHENE	50	48.2	3.6%	1.0	0.98	2.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.3	14.6%	1.0	1.11	11.0%
BENZENE	50	54.1	8.2%	1.0	1.24	24.0%
CHLOROBENZENE	50	50.2	0.4%	1.0	1.12	12.0%
ETHYLBENZENE	50	52.9	5.8%	1.0	1.15	15.0%
TOLUENE	50	52.4	4.8%	1.0	1.35	35.0%
m&p-XYLENES	100	109	9.0%	2.0	2.49	24.5%
o-XYLENE	50	52.7	5.4%	1.0	1.04	4.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS



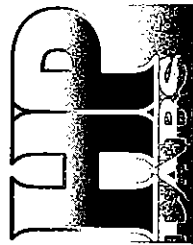
QA/QC CALIBRATION DATA

DATE: 08/21/03		SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773					
HP Labs Project #GF081803-L6		SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774					
LAB-6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER					
COMPOUND	OPENING STANDARD		%DIFF	2ND SOURCE (1ug/L) CLOSING		%DIFF	
	MASS	RESULT		MASS	RESULT		
CARBON TETRACHLORIDE CHLOROFORM 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE DICHLOROMETHANE TETRACHLORO ETHENE 1,1,1,2-TETRACHLORO ETHANE 1,1,2,2-TETRACHLORO ETHANE 1,1,1-TRICHLORO ETHANE 1,1,2-TRICHLORO ETHANE TRICHLORO ETHENE 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	51.2	2.4%	1.0	1.08	8.0%	
	50	50.0	0.0%	1.0	1.12	12.0%	
	50	52.2	4.4%	1.0	1.17	17.0%	
	50	52.1	4.2%	1.0	1.08	8.0%	
	50	50.0	0.0%	1.0	0.99	1.0%	
	50	48.0	4.0%	1.0	0.96	4.0%	
	50	50.2	0.4%	1.0	1.03	3.0%	
	50	48.6	2.8%	1.0	1.11	11.0%	
	50	52.9	5.8%	1.0	1.05	5.0%	
	50	54.0	8.0%	1.0	1.25	25.0%	
	50	50.7	1.4%	1.0	1.07	7.0%	
	50	50.2	0.4%	1.0	1.11	11.0%	
	50	47.2	5.6%	1.0	1.05	5.0%	
	50	47.9	4.2%	1.0	0.85	15.0%	
	50	57.0	14.0%	1.0	1.20	20.0%	
	BENZENE CHLOROBENZENE ETHYLBENZENE TOLUENE m&p-XYLENES o-XYLENE	50	52.2	4.4%	1.0	1.12	12.0%
		50	51.2	2.4%	1.0	1.06	6.0%
		50	53.2	6.4%	1.0	0.99	1.0%
		50	50.0	0.0%	1.0	1.01	1.0%
100		109	9.0%	2.0	2.09	4.5%	
50		52.7	5.4%	1.0	0.86	14.0%	
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561							
ANALYSES PERFORMED BY: MARK BURKE							
DATA REVIEWED BY: TAMARA DAVIS							

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



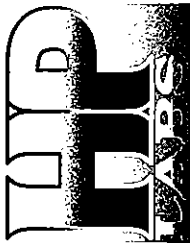
QA/QC CALIBRATION DATA

DATE: 08/22/03		SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773			
HP Labs Project #GF081803-L6		SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774			
LAB-6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER			
COMPOUND	OPENING STANDARD		2ND SOURCE (1ug/L) CLOSING		
	MASS	RESULT	%DIFF	MASS	RESULT
CARBON TETRACHLORIDE	50	52.6	5.2%	1.0	1.02
CHLOROFORM	50	52.0	4.0%	1.0	1.04
1,1-DICHLORO ETHANE	50	55.0	10.0%	1.0	1.08
1,2-DICHLORO ETHANE	50	54.8	9.6%	1.0	1.07
1,1-DICHLORO ETHENE	50	49.7	0.6%	1.0	0.95
CIS-1,2-DICHLORO ETHENE	50	48.2	3.6%	1.0	0.96
TRANS-1,2-DICHLORO ETHENE	50	52.4	4.8%	1.0	0.96
DICHLOROMETHANE	50	50.3	0.6%	1.0	1.07
TETRACHLORO ETHENE	50	53.1	6.2%	1.0	1.01
1,1,1,2-TETRACHLORO ETHANE	50	57.6	15.2%	1.0	1.16
1,1,2,2-TETRACHLORO ETHANE	50	51.6	3.2%	1.0	1.13
1,1,1-TRICHLORO ETHANE	50	51.2	2.4%	1.0	1.00
1,1,2-TRICHLORO ETHANE	50	50.2	0.4%	1.0	1.00
TRICHLORO ETHENE	50	46.6	6.8%	1.0	0.88
DICHLORODIFLUOROMETHANE (FR12)	50	49.2	1.6%	1.0	1.13
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	60.9	21.8%	1.0	1.10
BENZENE	50	54.4	8.8%	1.0	1.09
CHLOROBENZENE	50	52.7	5.4%	1.0	1.06
ETHYLBENZENE	50	54.8	9.6%	1.0	0.97
TOLUENE	50	48.6	2.8%	1.0	1.06
m&p-XYLENES	100	110	10.0%	2.0	2.06
o-XYLENE	50	53.2	6.4%	1.0	0.88

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



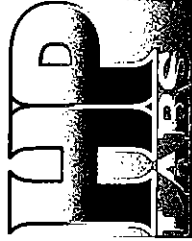
QA/QC CALIBRATION DATA

DATE: 08/25/03	SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773					
HP Labs Project #GF081803-L6	SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774					
LAB-6	INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER					
COMPOUND	OPENING STANDARD		2ND SOURCE (1ug/L) CLOSING		%DIFF	
	MASS	RESULT	MASS	RESULT		
CARBON TETRACHLORIDE	50	52.0	1.0	1.17	4.0%	17.0%
CHLOROFORM	50	49.7	1.0	1.12	0.6%	12.0%
1,1-DICHLORO ETHANE	50	52.1	1.0	1.18	4.2%	18.0%
1,2-DICHLORO ETHANE	50	51.3	1.0	1.13	2.6%	13.0%
1,1-DICHLORO ETHENE	50	50.6	1.0	1.04	1.2%	4.0%
CIS-1,2-DICHLORO ETHENE	50	50.4	1.0	0.96	0.8%	4.0%
TRANS-1,2-DICHLORO ETHENE	50	51.5	1.0	1.05	3.0%	5.0%
DICHLOROMETHANE	50	49.9	1.0	1.24	0.2%	24.0%
TETRACHLORO ETHENE	50	51.8	1.0	1.09	3.6%	9.0%
1,1,1,2-TETRACHLORO ETHANE	50	51.6	1.0	1.22	3.2%	22.0%
1,1,2,2-TETRACHLORO ETHANE	50	47.0	1.0	0.95	6.0%	5.0%
1,1,1-TRICHLORO ETHANE	50	50.7	1.0	1.09	1.4%	9.0%
1,1,2-TRICHLORO ETHANE	50	47.1	1.0	0.95	5.8%	5.0%
TRICHLORO ETHENE	50	48.1	1.0	0.98	3.8%	2.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.3	1.0	1.12	14.6%	12.0%
BENZENE	50	54.9	1.0	1.27	9.8%	27.0%
CHLOROBENZENE	50	49.4	1.0	1.11	1.2%	11.0%
ETHYLBENZENE	50	55.2	1.0	1.13	10.4%	13.0%
TOLUENE	50	55.8	1.0	1.44	11.6%	44.0%
m&p-XYLENES	100	112	2.0	2.61	12.0%	30.5%
o-XYLENE	50	55.8	1.0	1.10	11.6%	10.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



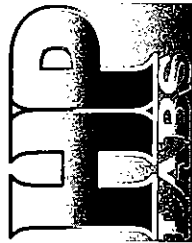
QA/QC CALIBRATION DATA

DATE: 08/27/03		SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773			
HP Labs Project #GF081803-L6		SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774			
LAB-6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER			
COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE (1ug/L) CLOSING MASS	%DIFF
CARBON TETRACHLORIDE	50	52.0	4.0%	1.0	1.10
CHLOROFORM	50	50.6	1.2%	1.0	1.12
1,1-DICHLORO ETHANE	50	53.4	6.8%	1.0	1.18
1,2-DICHLORO ETHANE	50	54.0	8.0%	1.0	1.10
1,1-DICHLORO ETHENE	50	51.8	3.6%	1.0	1.01
CIS-1,2-DICHLORO ETHENE	50	51.2	2.4%	1.0	1.02
TRANS-1,2-DICHLORO ETHENE	50	52.0	4.0%	1.0	1.01
DICHLOROMETHANE	50	51.4	2.8%	1.0	1.22
TETRACHLORO ETHENE	50	51.3	2.6%	1.0	1.03
1,1,1,2-TETRACHLORO ETHANE	50	53.0	6.0%	1.0	1.26
1,1,2,2-TETRACHLORO ETHANE	50	50.1	0.2%	1.0	1.18
1,1,1-TRICHLORO ETHANE	50	51.0	2.0%	1.0	1.05
1,1,2-TRICHLORO ETHANE	50	48.0	4.0%	1.0	1.04
TRICHLORO ETHENE	50	48.0	4.0%	1.0	0.82
TRICHLOROFLUOROMETHANE (FR11)	50	62.0	24.0%	1.0	1.60
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.1	14.2%	1.0	1.19
BENZENE	50	52.5	5.0%	1.0	1.15
CHLOROBENZENE	50	50.7	1.4%	1.0	1.08
ETHYLBENZENE	50	53.5	7.0%	1.0	0.97
TOLUENE	50	50.9	1.8%	1.0	1.13
m&p-XYLENES	100	112	12.0%	2.0	2.01
o-XYLENE	50	53.9	7.8%	1.0	0.83

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



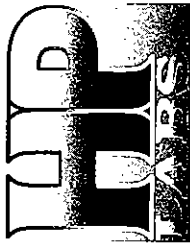
QA/QC CALIBRATION DATA

DATE: 08/28/03		SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773				
HP Labs Project #GF081803-L6		SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774				
LAB-6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER				
COMPOUND	OPENING STANDARD		%DIFF	2ND SOURCE (1ug/L) CLOSING		%DIFF
	MASS	RESULT		MASS	RESULT	
CARBON TETRACHLORIDE	50	51.9	3.8%	1.0	1.05	5.0%
CHLOROFORM	50	49.9	0.2%	1.0	1.03	3.0%
1,1-DICHLORO ETHANE	50	53.1	6.2%	1.0	1.10	10.0%
1,2-DICHLORO ETHANE	50	52.9	5.8%	1.0	1.03	3.0%
1,1-DICHLORO ETHENE	50	49.1	1.8%	1.0	1.01	1.0%
CIS-1,2-DICHLORO ETHENE	50	48.1	3.8%	1.0	0.95	5.0%
TRANS-1,2-DICHLORO ETHENE	50	51.6	3.2%	1.0	1.01	1.0%
DICHLOROMETHANE	50	50.0	0.0%	1.0	1.17	17.0%
TETRACHLORO ETHENE	50	50.3	0.6%	1.0	1.05	5.0%
1,1,1,2-TETRACHLORO ETHANE	50	52.5	5.0%	1.0	1.15	15.0%
1,1,2,2-TETRACHLORO ETHANE	50	49.3	1.4%	1.0	1.12	12.0%
1,1,1-TRICHLORO ETHANE	50	50.6	1.2%	1.0	1.04	4.0%
1,1,2-TRICHLORO ETHANE	50	49.1	1.8%	1.0	0.98	2.0%
TRICHLORO ETHENE	50	46.2	7.6%	1.0	0.85	15.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	55.5	11.0%	1.0	1.12	12.0%
BENZENE	50	54.2	8.4%	1.0	1.08	8.0%
CHLOROBENZENE	50	50.4	0.8%	1.0	1.04	4.0%
ETHYLBENZENE	50	53.6	7.2%	1.0	0.94	6.0%
TOLUENE	50	53.7	7.4%	1.0	1.15	15.0%
m&p-XYLENES	100	113	13.0%	2.0	1.99	0.5%
o-XYLENE	50	54.0	8.0%	1.0	0.85	15.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



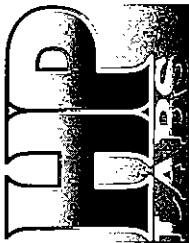
QA/QC CALIBRATION DATA

DATE: 08/29/03		SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773			
HP Labs Project #GF081803-L6		SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774			
LAB-6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER			
COMPOUND		OPENING STANDARD		2ND SOURCE (1ug/L) CLOSING	
		MASS	RESULT	MASS	%DIFF
CARBON TETRACHLORIDE		50	49.2	1.0	1.11
CHLOROFORM		50	49.1	1.0	1.10
1,1-DICHLORO ETHANE		50	51.4	1.0	1.14
1,2-DICHLORO ETHANE		50	52.2	1.0	1.09
1,1-DICHLORO ETHENE		50	46.2	1.0	0.96
CIS-1,2-DICHLORO ETHENE		50	47.2	1.0	0.96
TRANS-1,2-DICHLORO ETHENE		50	48.8	1.0	1.02
DICHLOROMETHANE		50	49.4	1.0	1.15
TETRACHLORO ETHENE		50	49.6	1.0	1.02
1,1,1,2-TETRACHLORO ETHANE		50	53.5	1.0	1.18
1,1,2,2-TETRACHLORO ETHANE		50	47.3	1.0	1.09
1,1,1-TRICHLORO ETHANE		50	48.8	1.0	1.07
1,1,2-TRICHLORO ETHANE		50	45.9	1.0	1.00
TRICHLORO ETHENE		50	44.4	1.0	0.83
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)		50	56.2	1.0	1.21
BENZENE		50	51.1	1.0	1.18
CHLOROBENZENE		50	49.6	1.0	1.04
ETHYLBENZENE		50	50.6	1.0	1.00
TOLUENE		50	46.7	1.0	1.23
m&p-XYLENES		100	102	2.0	2.11
o-XYLENE		50	49.5	1.0	0.84

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561

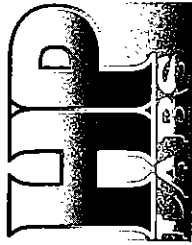
ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



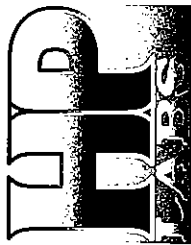
QA/QC - CALIBRATION DATA

DATE: 08/18/03		CALIBRATION VERIFICATION			
HP Labs Project #GF081803-L6		SUPPLY SOURCE: SUPELCO LOT #LSS-773			
Lab 6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER			
COMPOUND	MASS	RT	CONTINUING STANDARD RESULT	%DIFF	
CARBON TETRACHLORIDE	50	7.7	50.3	0.6%	
CHLOROFORM	50	7.1	50.4	0.8%	
1,1-DICHLORO ETHANE	50	5.7	52.3	4.6%	
1,2-DICHLORO ETHANE	50	8.0	53.6	7.2%	
1,1-DICHLORO ETHENE	50	4.1	47.3	5.4%	
CIS-1,2-DICHLORO ETHENE	50	6.5	48.7	2.6%	
TRANS-1,2-DICHLORO ETHENE	50	5.1	50.6	1.2%	
DICHLOROMETHANE	50	4.8	50.1	0.2%	
TETRACHLORO ETHENE	50	12.9	50.0	0.0%	
1,1,1,2-TETRACHLORO ETHANE	50	15.2	53.8	7.6%	
1,1,2,2-TETRACHLORO ETHANE	50	18.3	51.7	3.4%	
1,1,1-TRICHLORO ETHANE	50	7.4	48.7	2.6%	
1,1,2-TRICHLORO ETHANE	50	12.6	49.4	1.2%	
TRICHLORO ETHENE	50	9.1	43.9	12.2%	
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	56.4	12.8%	
BENZENE	50	7.9	52.8	5.6%	
CHLOROBENZENE	50	14.9	50.5	1.0%	
ETHYLBENZENE	50	15.2	51.9	3.8%	
TOLUENE	50	11.6	49.3	1.4%	
m&p-XYLENES	100	15.5	106	5.9%	
o-XYLENE	50	16.5	50.9	1.8%	
ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)					
ANALYSES PERFORMED BY: MARK BURKE					
DATA REVIEWED BY: TAMARA DAVIS					



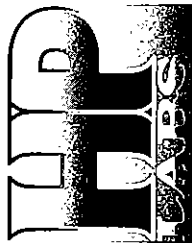
QA/QC - CALIBRATION DATA

DATE: 08/19/03		CALIBRATION VERIFICATION			
HP Labs Project #GF081803-L6		SUPPLY SOURCE: SUPELCO LOT #LSS-773			
Lab 6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER			
COMPOUND	MASS	RT	CONTINUING STANDARD RESULT	%DIFF	
CARBON TETRACHLORIDE	50	7.7	53.6	7.2%	
CHLOROFORM	50	7.1	53.9	7.8%	
1,1-DICHLORO ETHANE	50	5.7	56.2	12.4%	
1,2-DICHLORO ETHANE	50	8.0	55.8	11.6%	
1,1-DICHLORO ETHENE	50	4.1	51.2	2.4%	
CIS-1,2-DICHLORO ETHENE	50	6.5	50.1	0.2%	
TRANS-1,2-DICHLORO ETHENE	50	5.1	53.6	7.2%	
DICHLOROMETHANE	50	4.8	53.3	6.6%	
TETRACHLORO ETHENE	50	12.9	52.7	5.4%	
1,1,1,2-TETRACHLORO ETHANE	50	15.2	57.4	14.8%	
1,1,2,2-TETRACHLORO ETHANE	50	18.3	48.5	3.0%	
1,1,1-TRICHLORO ETHANE	50	7.4	52.2	4.4%	
1,1,2-TRICHLORO ETHANE	50	12.6	51.7	3.4%	
TRICHLORO ETHENE	50	9.1	47.8	4.4%	
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	62.1	24.2%	
BENZENE	50	7.9	56.7	13.4%	
CHLOROBENZENE	50	14.9	53.2	6.4%	
ETHYLBENZENE	50	15.2	55.6	11.2%	
TOLUENE	50	11.6	50.7	1.4%	
m&p-XYLENES	100	15.5	118	18.0%	
o-XYLENE	50	16.5	54.9	9.8%	
ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)					
ANALYSES PERFORMED BY: MARK BURKE					
DATA REVIEWED BY: TAMARA DAVIS					



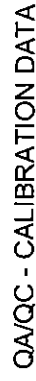
QA/QC - CALIBRATION DATA

DATE: 08/20/03			
HP Labs Project #GF081803-L6			
Lab 6			
CALIBRATION VERIFICATION			
SUPPLY SOURCE: SUPELCO LOT #LSS-773			
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER			
COMPOUND	MASS	RT	%DIFF
CONTINUING STANDARD			
COMPOUND	MASS	RT	%DIFF
CARBON TETRACHLORIDE	50	7.7	50.9
CHLOROFORM	50	7.1	50.2
1,1-DICHLORO ETHANE	50	5.7	51.7
1,2-DICHLORO ETHANE	50	8.0	52.9
1,1-DICHLORO ETHENE	50	4.1	48.4
CIS-1,2-DICHLORO ETHENE	50	6.5	49.8
TRANS-1,2-DICHLORO ETHENE	50	5.1	50.6
DICHLOROMETHANE	50	4.8	49.6
TETRACHLORO ETHENE	50	12.9	49.1
1,1,1,2-TETRACHLORO ETHANE	50	15.2	50.6
1,1,2,2-TETRACHLORO ETHANE	50	18.3	49.0
1,1,1-TRICHLORO ETHANE	50	7.4	50.3
1,1,2-TRICHLORO ETHANE	50	12.6	48.8
TRICHLORO ETHENE	50	9.1	47.6
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	52.3
BENZENE	50	7.9	52.7
CHLOROBENZENE	50	14.9	49.7
ETHYLBENZENE	50	15.2	53.4
TOLUENE	50	11.6	51.8
m&p-XYLENES	100	15.5	113
o-XYLENE	50	16.5	54.3
ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)			
ANALYSES PERFORMED BY: MARK BURKE			
DATA REVIEWED BY: TAMARA DAVIS			



QA/QC - CALIBRATION DATA

DATE: 08/21/03		CALIBRATION VERIFICATION			
HP Labs Project #GF081803-L6		SUPPLY SOURCE: SUPELCO LOT #LSS-773			
Lab 6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER			
COMPOUND	MASS	RT	CONTINUING STANDARD RESULT	%DIFF	
CARBON TETRACHLORIDE	50	7.7	55.5	11.0%	
CHLOROFORM	50	7.1	54.1	8.2%	
1,1-DICHLORO ETHANE	50	5.7	56.7	13.4%	
1,2-DICHLORO ETHANE	50	8.0	56.8	13.6%	
1,1-DICHLORO ETHENE	50	4.1	49.6	0.8%	
CIS-1,2-DICHLORO ETHENE	50	6.5	51.1	2.2%	
TRANS-1,2-DICHLORO ETHENE	50	5.1	54.5	9.0%	
DICHLOROMETHANE	50	4.8	54.1	8.2%	
TETRACHLORO ETHENE	50	12.9	54.0	8.0%	
1,1,1,2-TETRACHLORO ETHANE	50	15.2	58.0	16.0%	
1,1,2,2-TETRACHLORO ETHANE	50	18.3	50.8	1.6%	
1,1,1-TRICHLORO ETHANE	50	7.4	52.7	5.4%	
1,1,2-TRICHLORO ETHANE	50	12.6	53.2	6.4%	
TRICHLORO ETHENE	50	9.1	46.1	7.8%	
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	62.7	25.4%	
BENZENE	50	7.9	58.0	16.0%	
CHLOROBENZENE	50	14.9	53.1	6.2%	
ETHYLBENZENE	50	15.2	55.1	10.2%	
TOLUENE	50	11.6	51.3	2.6%	
m&p-XYLENES	100	15.5	112	12.0%	
o-XYLENE	50	16.5	52.1	4.2%	
ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)					
ANALYSES PERFORMED BY: MARK BURKE					
DATA REVIEWED BY: TAMARA DAVIS					



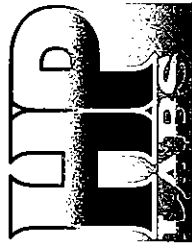
QA/QC - CALIBRATION DATA

DATE: 08/22/03			CALIBRATION VERIFICATION		
HP Labs Project #GF081803-L6			SUPPLY SOURCE: SUPELCO LOT #LSS-773		
Lab 6			INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER		
COMPOUND	MASS	RT	CONTINUING STANDARD		%DIFF
			RESULT		
CARBON TETRACHLORIDE	50	7.7	54.1		8.2%
CHLOROFORM	50	7.1	52.9		5.8%
1,1-DICHLORO ETHANE	50	5.7	56.4		12.8%
1,2-DICHLORO ETHANE	50	8.0	56.0		12.0%
1,1-DICHLORO ETHENE	50	4.1	52.8		5.6%
CIS-1,2-DICHLORO ETHENE	50	6.5	51.3		2.6%
TRANS-1,2-DICHLORO ETHENE	50	5.1	54.4		8.8%
DICHLOROMETHANE	50	4.8	54.3		8.6%
TETRACHLORO ETHENE	50	12.9	52.2		4.4%
1,1,1,2-TETRACHLORO ETHANE	50	15.2	54.7		9.4%
1,1,2,2-TETRACHLORO ETHANE	50	18.3	49.8		0.4%
1,1,1-TRICHLORO ETHANE	50	7.4	51.6		3.2%
1,1,2-TRICHLORO ETHANE	50	12.6	51.7		3.4%
TRICHLORO ETHENE	50	9.1	48.0		4.0%
DICHLORODIFLUOROMETHANE (FR12)	50	3.6	47.8		4.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	61.4		22.8%
BENZENE	50	7.9	58.4		16.8%
CHLOROBENZENE	50	14.9	52.1		4.2%
ETHYLBENZENE	50	15.2	56.3		12.6%
TOLUENE	50	11.6	54.5		9.0%
m&p-XYLENES	100	15.5	117		17.0%
o-XYLENE	50	16.5	55.2		10.4%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)

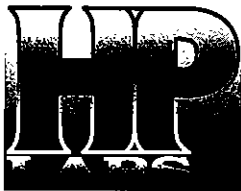
ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS



QA/QC - CALIBRATION DATA

DATE: 08/25/03		CALIBRATION VERIFICATION			
HP Labs Project #GF081803-L6		SUPPLY SOURCE: SUPELCO LOT #LSS-773			
Lab 6		INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER			
COMPOUND	MASS	RT	CONTINUING STANDARD RESULT	%DIFF	
CARBON TETRACHLORIDE	50	7.7	54.2	8.4%	
CHLOROFORM	50	7.1	53.1	6.2%	
1,1-DICHLORO ETHANE	50	5.7	54.8	9.6%	
1,2-DICHLORO ETHANE	50	8.0	55.2	10.4%	
1,1-DICHLORO ETHENE	50	4.1	50.3	0.6%	
CIS-1,2-DICHLORO ETHENE	50	6.5	50.8	1.6%	
TRANS-1,2-DICHLORO ETHENE	50	5.1	54.2	8.4%	
DICHLOROMETHANE	50	4.8	54.8	9.6%	
TETRACHLORO ETHENE	50	12.9	53.8	7.6%	
1,1,1,2-TETRACHLORO ETHANE	50	15.2	58.3	16.6%	
1,1,2,2-TETRACHLORO ETHANE	50	18.3	54.6	9.2%	
1,1,1-TRICHLORO ETHANE	50	7.4	52.4	4.8%	
1,1,2-TRICHLORO ETHANE	50	12.6	51.1	2.2%	
TRICHLORO ETHENE	50	9.1	47.3	5.4%	
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	61.7	23.4%	
BENZENE	50	7.9	56.4	12.8%	
CHLOROBENZENE	50	14.9	54.1	8.2%	
ETHYLBENZENE	50	15.2	56.4	12.8%	
TOLUENE	50	11.6	55.2	10.4%	
m&p-XYLENES	100	15.5	118	18.0%	
o-XYLENE	50	16.5	55.6	11.2%	
ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)					
ANALYSES PERFORMED BY: MARK BURKE					
DATA REVIEWED BY: TAMARA DAVIS					



SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6

SUPPLY SOURCE: SUPELCO LOT #LSS-774

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RT	RESULT	%DIFF
CARBON TETRACHLORIDE	8/12/2003	50	8.5	49.5	1.0%
CHLOROFORM	8/12/2003	50	8.1	47.9	4.2%
1,1-DICHLORO ETHANE	8/12/2003	50	7.4	49.0	2.0%
1,2-DICHLORO ETHANE	8/12/2003	50	8.6	49.0	2.0%
1,1-DICHLORO ETHENE	8/12/2003	50	6.4	43.9	12.2%
CIS-1,2-DICHLORO ETHENE	8/12/2003	50	7.9	49.6	0.8%
TRANS-1,2-DICHLORO ETHENE	8/12/2003	50	7.1	48.6	2.8%
DICHLOROMETHANE	8/12/2003	50	6.8	47.0	6.0%
TETRACHLORO ETHENE	8/12/2003	50	10.8	50.8	1.6%
1,1,1,2-TETRACHLORO ETHANE	8/12/2003	50	11.7	53.9	7.8%
1,1,2,2-TETRACHLORO ETHANE	8/12/2003	50	12.7	51.1	2.2%
1,1,1-TRICHLORO ETHANE	8/12/2003	50	8.4	48.5	3.0%
1,1,2-TRICHLORO ETHANE	8/12/2003	50	10.6	45.3	9.4%
TRICHLORO ETHENE	8/12/2003	50	9.2	47.1	5.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	8/12/2003	50	6.3	43.4	13.2%
BENZENE	8/12/2003	50	8.7	48.6	2.8%
ETHYLBENZENE	8/12/2003	50	11.7	54.9	9.8%
TOLUENE	8/12/2003	50	10.3	47.6	4.8%
m&p-XYLENES	8/12/2003	100	11.7	106.8	6.8%
o-XYLENE	8/12/2003	50	12.2	53.0	6.0%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #1561

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS